

# Anne Alexandre

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7514185/publications.pdf>

Version: 2024-02-01

19  
papers

1,206  
citations

687363

13  
h-index

794594

19  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant impact on the biogeochemical cycle of silicon and related weathering processes. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 677-682.	3.9	443
2	Grass water stress estimated from phytoliths in West Africa. <i>Journal of Biogeography</i> , 2005, 32, 311-327.	3.0	163
3	Inter-laboratory comparison of oxygen isotope compositions from biogenic silica. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7242-7256.	3.9	82
4	Identification of the parent bodies of micrometeorites with high-precision oxygen isotope ratios. <i>Earth and Planetary Science Letters</i> , 2010, 293, 313-320.	4.4	77
5	The Phytolith <sup>14</sup> C Puzzle: A Tale of Background Determinations and Accuracy Tests. <i>Radiocarbon</i> , 2010, 52, 113-128.	1.8	73
6	The role of savannas in the terrestrial Si cycle: A case-study from Lamto, Ivory Coast. <i>Global and Planetary Change</i> , 2011, 78, 162-169.	3.5	72
7	Towards producing pure phytolith concentrates from plants that are suitable for carbon isotopic analysis. <i>Review of Palaeobotany and Palynology</i> , 2013, 197, 179-185.	1.5	53
8	IR Laser Extraction Technique Applied to Oxygen Isotope Analysis of Small Biogenic Silica Samples. <i>Analytical Chemistry</i> , 2008, 80, 2372-2378.	6.5	50
9	Oxygen isotope analyses of fine silica grains using laser-extraction technique: Comparison with oxygen isotope data obtained from ion microprobe analyses and application to quartzite and silcrete cement investigation. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2827-2835.	3.9	41
10	Unambiguous evidence of old soil carbon in grass biosilica particles. <i>Biogeosciences</i> , 2016, 13, 1269-1286.	3.3	33
11	Direct uptake of organically derived carbon by grass roots and allocation in leaves and phytoliths: <sup>13</sup> C labeling evidence. <i>Biogeosciences</i> , 2016, 13, 1693-1703.	3.3	28
12	The phytolith carbon sequestration concept: Fact or fiction? A comment on "Occurrence, turnover and carbon sequestration potential of phytoliths in terrestrial ecosystems by Song et al. doi: 10.1016/j.earscirev.2016.04.007". <i>Earth-Science Reviews</i> , 2017, 164, 251-255.	9.1	23
13	The triple oxygen isotope composition of phytoliths as a proxy of continental atmospheric humidity: insights from climate chamber and climate transect calibrations. <i>Biogeosciences</i> , 2018, 15, 3223-3241.	3.3	17
14	Diatom-oxygen isotope record from high-altitude Lake Petit (2200 m a.s.l.) in the Mediterranean Alps: shedding light on a climatic pulse at 4.2 ka. <i>Climate of the Past</i> , 2019, 15, 253-263.	3.4	14
15	When the carbon being dated is not what you think it is: Insights from phytolith carbon research. <i>Quaternary Science Reviews</i> , 2018, 197, 162-174.	3.0	11
16	Effects of leaf length and development stage on the triple oxygen isotope signature of grass leaf water and phytoliths: insights for a proxy of continental atmospheric humidity. <i>Biogeosciences</i> , 2019, 16, 4613-4625.	3.3	9
17	The triple oxygen isotope composition of phytoliths, a new proxy of atmospheric relative humidity: controls of soil water isotope composition, temperature, CO <sub>2</sub> concentration and relative humidity. <i>Climate of the Past</i> , 2021, 17, 1881-1902.	3.4	7
18	Grass Physiognomic Trait Variation in African Herbaceous Biomes. <i>Biotropica</i> , 2016, 48, 311-320.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Dynamic Nuclear Polarization NMR as a new tool to investigate the nature of organic compounds occluded in plant silica particles. Scientific Reports, 2017, 7, 3430.	3.3	4